





PAGER Version 1

10,000

100,000

1,000

Created: 4 weeks, 1 day after earthquake

M 4.0, Island of Hawaii, Hawaii

Origin Time: 2023-11-06 18:55:37 UTC (Mon 08:55:37 local) Location: 19.2340° N 155.3865° W Depth: 38.0 km

Estimated Fatalities 69% 10,000 1,000

Green alert for shaking-related fatalities Estimated Economic Losses and economic losses. There is a low likelihood of casualties and damage. 30%

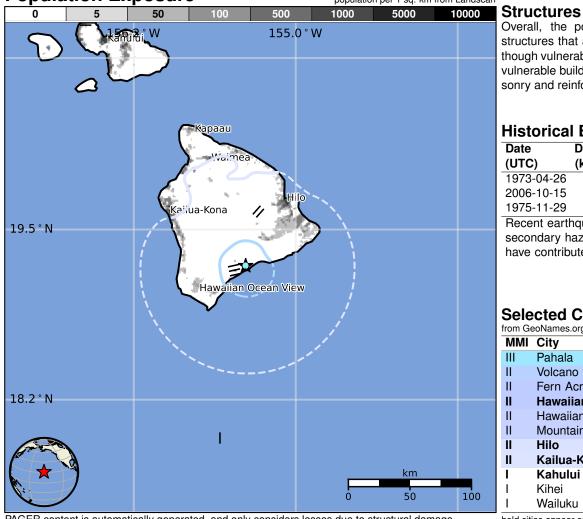
Estimated Population Exposed to Earthquake Shaking

	•		-							
ESTIMATED POPULATION EXPOSURE (k=x1000)		210k	147k	0	0	0	0	0	0	0
ESTIMATED MERCALLI	MODIFIED INTENSITY	I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan



Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1973-04-26	84	6.2	VII(74k)	0
2006-10-15	94	6.7	VIII(15k)	0
1975-11-29	44	7.2	IX(30k)	2

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

MMI	City	Population
Ш	Pahala	1k
II	Volcano	3k
II	Fern Acres	2k
II	Hawaiian Ocean View	4k
II	Hawaiian Beaches	4k
II	Mountain View	4k
II	Hilo	43k
II	Kailua-Kona	12k
I	Kahului	26k
I	Kihei	21k
I	Wailuku	15k

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.